APRIL/MAY 2025

23UEEL42A — PYTHON PROGRAMMING
(Elective IV)

Time : Three hours | Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

Shanmuga Industries Arts & Science College
T.V.Malai

1. Mention any two features of python.
2. Define array.
3. What is control statement?
4. Discuss the pros and cons of continue and break statements.
5. Write about calling a function.
6. What is string in Python?
7. What is the meaning of Tuple in Python?
8. What is the use of dict( ) function?
9. Differentiate read( ) and readlines( ) method.
10. Write about write operation in a file.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Discuss about literal and constants.

Or

(b) Write any two array methods with example.

12. (a) Explain while statement with example.

Or

(b) Explain the for loop statement with an example.

13. (a) Discuss the built-in functions with examples.

Or

(b) Explain the use of dir( ) function.

14. (a) How do you access dictionary values? Explain.

Or

(b) Write the program to search the book stored in dictionary using book number. Display the title of book if it found.

Shanmuga Industries Arts & Science College T.V.Malai

15. (a) Write short notes on types of files in python.

Or

(b) Discuss about file position method.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss about type conversion in detail.

17. Write about four models of if statement.

18. Explain about string representation in python.

19. List and explain the methods and functions of dictionary.

20. Discuss in detail about files and its opening and closing operations.

———————